Amendments to the Claims

1. (Cancelled) A DNA molecule useful for generating a recombinant adenoviral vector comprising an Ad5 5'ITR with packaging signal and an Ad5 3'ITR, a reporter or effector gene cassette and Ad5 sequence.

2. (Cancelled) A DNA molecule of claim 1 wherein said reporter gene cassette is the CMV-EGFP cassette in the opposite orientation as said Ad5 5'ITR.

3. (Cancelled) A DNA molecule of claim 1 wherein said reporter gene cassette is the CMV-EGFP cassette in the same orientation as said Ad5 5'ITR.

4. (Cancelled) A DNA molecule useful for generating a recombinant adenoviral vector comprising an Ad5 5'ITR with packaging signal, a polylinker, and Ad5 sequence.

5. (Cancelled) A DNA molecule of claim 4 wherein said polylinker comprises the restriction enzyme sites for XbaI, XhoI, BglII, EcoRV, NotI, SpeI, SalI, ClaI and BamHI.

6. (Cancelled) A DNA molecule comprising an Ad5 5'ITR and an Ad5 3'ITR, a polylinker, and Ad5 sequence.

7. (Cancelled) A DNA molecule of claim 6 wherein said polylinker comprises the restriction enzyme sites for XhoI, BglII, EcoRV, NotI, SpeI, SalI and ClaI.

8. (Cancelled) A DNA molecule of claim 6 wherein said polylinker comprises the restriction enzyme sites for HindIII, XhoI, BglII, EcoRV, NotI, SpeI, SalI, and ClaI.

9. (Cancelled) A method for generating a recombinant adenoviral particle using a shuttle vector selected from the group consisting of GT4117, GT4121, GT4142, and GT4141 consisting of the steps of, in combination:

mixing at room temperature one of said shuttle vectors with a helper plasmid;

incubating the mixture at room temperature;

combining said mixture with a suitable transfection preparation;

applying said mixture in said transfection preparation to a 293 cell;

incubating said 293 cell for a sufficient period of time such that adenoviral particles are generated; and,

purifying said recombinant adenoviral particles.

10. (Amended) A method for generating a infectious, replication-deficient, recombinant adenoviral particle, the method comprising ~~consisting of the steps of, in combination~~:

heat inactivated

(a) mixing at a temperature from 35°C to 80°C a shuttle vector comprising an adenoviral 5'-ITR with a packaging signal (Ψ), an adenoviral 3'-ITR, and a reporter or effector gene cassette, and a helper plasmid;

(b) combining the ~~said~~ mixture of step (a) with a suitable transfection preparation;

(c) applying the ~~said~~ mixture of step (b) ~~in said transfection preparation~~ to a 293 cell;

(d) incubating the ~~said~~ 293 cell of step (c) for a sufficient period of time such that an adenoviral particle is generated; and,

(e) purifying the ~~said~~ recombinant adenoviral particle;

whereby an infectious, replication-deficient recombinant adenoviral vector is generated.

11. (New) A method according to claim 10, wherein the temperature is 35°C - 80°C.

12. (New) A method according to claim 10, wherein the temperature is 50°C - 80°C.

13. (New) A method according to claim 10, wherein the temperature is 70°C.

14. (New) A method according to claim 10, wherein the 293 cell is beyond passage 50.

15. (New) A method according to claim 10, wherein the temperature is 35°C - 80°C and the 293 cell is beyond passage 50.

16. (New) A method according to claim 10, wherein the temperature is 50°C - 80°C and the 293 cell is beyond passage 50.

17. (New) A method according to claim 10, wherein the temperature is 70°C and the 293 cell is beyond passage 50.